

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 02/12/2018 10:16 AM
Cytometer Baseline: 10/18/2017 09:13 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 25720, **Expiration Date:** 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125584	0	1.19	125490	1.17
Blue	F	SSC	125000	122795	-2	2.51	123279	2.32
Blue	E	FITC	23615	22609	-5	2.41	1005	10.65
Blue	D	PE	26739	26156	-3	1.92	941	9.90
Blue	B	PerCP-Cy5-5	48339	47300	-3	3.30	1358	17.37
Blue	A	PE-Cy7	45021	44609	-1	5.02	687	36.06
Red	C	APC	53064	52318	-2	2.72	3015	9.47
Red	A	APC-Cy7	57175	56109	-2	2.70	1158	11.28
Violet	B	V450	14728	14004	-5	5.46	674	9.70
Violet	A	V500	58621	56269	-5	5.36	2493	7.22

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19798	2.09	610	-4	N/A	N/A	Pass
Blue	F	SSC	60992	1.48	553	7	N/A	N/A	Pass
Blue	E	FITC	114	39.65	546	-2	0.0191	146	Pass
Blue	D	PE	205	28.88	536	0	0.1522	212	Pass
Blue	B	PerCP-Cy5-5	212	46.62	636	1	0.0095	107	Pass
Blue	A	PE-Cy7	73	124.00	695	2	0.0116	18	Pass
Red	C	APC	345	27.86	597	0	0.0202	56	Pass
Red	A	APC-Cy7	126	40.81	580	0	0.0054	1556	Pass
Violet	B	V450	81	43.31	466	-4	0.0487	2197	Pass
Violet	A	V500	182	22.35	493	-4	0.0170	657	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.13	-31.61	0.92
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.34
Red	19.00	14.40 - 21.60	N/A	N/A	31.26	31.82	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 14016

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments